

**TOP LEVEL TECHNICAL SUPPORT CONTRACT LW-473**  
**ACTIVITY REPORT FOR DECEMBER 1957**

The program of top-level technical support activities under the subject contract was started in December 1957. The personnel who participated, and the particular problems which received attention, are listed below:

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[REDACTED] at Pasadena, California, 24 hrs., December 9, 10, 11, 1957. In general, direction and assistance was provided for the system test programs for B and C configurations. Consultations were held in connection with B-Configuration reliability test program, and the concurrent performance improvement activity at the Hycon plant. Attention was also directed to an optical problem in the Serial No. 2 C-Configuration, then being assembled by [REDACTED]. After considerable troubleshooting it was determined that several glass elements had suffered damage during the coating process (which was done immediately before shipment from P-E).

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[REDACTED] Washington, 8 hrs., December 3, 1957. This day was spent at Headquarters for engineering liaison.

CDC, Pasadena, Edwards, Washington, 64 hrs., December 9-13, 16, 17, 18. Support was provided in connection with system test programs concerning B and C Configurations. Specifically this involved technical liaison and assistance with the subcontractor's current system engineering problems and test evaluations. At the test site a bench checkout and retrofit of 3 Mark II Trackers was accomplished, together with training of a Hycon Tech. Rep. [REDACTED] in support of the Tracker red-dot series. There were discussions with [REDACTED] concerning the requirements for the overall flight test program. The return from this trip was through Washington, for a discussion of current problems at Headquarters.

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CDC, In-plant, 32 hrs., December 5, 6, 19, 20. This activity consisted of investigation of technical problems related to field use of equipment, and leading to product improvement. Particular areas of study included stray light in the tracker, resulting in an improvement in the baffling system; review of tracker evaluation reports; and coordination of information regarding tracker optics, with [REDACTED] engineers.

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[REDACTED] at Pasadena, 48 hrs., December 4-11.

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[REDACTED] at Pasadena, 48 hrs., December 4-11.

This activity consisted of the installation and alignment of optics for the Serial No. 2 C Configuration. A satisfactory image could not be obtained, and a portion of the glass was removed and returned to the plant.

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[REDACTED] in-plant, 124 hours during December. This consisted of on-job

orientation as field engineer for the overall C Configuration System.

Reference - ltr. RMS to Lou K.  
Jan. 30, 1958

**TOP LEVEL TECHNICAL SUPPORT CONTRACT LW-473**  
**ACTIVITY REPORT FOR JANUARY 1958**

During the month of January, 1958, the support program for the subject contract continued, with the following activities:

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[REDACTED] Pasadena, 40 hrs., January 20-24. The activity during this period generally concerned the quality improvement program for the B Configuration, and study of various C Configuration problems. A detailed report covering this period was submitted in the referenced letter.

RMS, Washington, 8 hrs., January 29. This trip was for technical liaison with headquarters.

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[REDACTED] 8 hrs., January 10. A meeting was held with [REDACTED] to provide information regarding the rather unique tracker optical system, and assist in planning the new series of red-dot tests.

CDC, Pasadena and Edwards AFB, 72 hrs., January 13-23. On this visit, assistance was provided for the B System quality improvement program. Special attention was given to the analysis of vibration effects, both from instrumented flight tests and by means of detail tests in the laboratory. The coordination in the lab activity was quite complete through all phases of planning, conducting the test, analysis, design modification, and retest. (Note referenced letter for more detail.)

CDC, Washington, 16 hrs., January 24 and 29. On the return from the field trip described above, and again on the 29th, meetings were held at headquarters for progress review discussions.

CDC, In-Plant activity, 32 hrs., January 3, 8, 9, 28. Investigation of technical problems, for product improvement continued during these periods, with consultations for feed-back of information and planning.

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[REDACTED] Pasadena, 80 hrs., January 20-31. Optical Tech. Rep. services in support of the C-Program.

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[REDACTED] in-plant, 79.5 hours during January. Continuation of orientation as field engineer for the C Configuration, Hand Control, and Memory Unit.

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ACTIVITY REPORT FOR FEBRUARY 1958

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[REDACTED] 8 hrs., February 11. On this trip, discussions were held with [REDACTED] and others, at [REDACTED] concerning films, processing, and resolution relative to the project. FOIAb3a

RMS, Washington, 8 hrs., February 21. Activity in preparation for overseas trip.

RMS, In-Plant, 16 hrs, February 3, 6. Technical review of Lot I program.

FOIAb3a

[REDACTED] Washington, Pasadena, Edwards, 40 hrs., February 3-7. This trip started with a meeting at Headquarters. In Pasadena, liaison was resumed, with a review of progress on the B System Improvement, and detail planning for the transfer of C Configuration Serial No. 3 to the P-E Plant; also coordination for agreement on the purposes and technical content of a projected subcontractor's report on the C-System test program.

CDC, Pasadena, Edwards, 48 hrs., February 17-22. Activities coordination in connection with B and C Configurations and 300 in. Collimator modification. At Edwards, a concentrated series of shakedown flights for 5 Mark IA Trackers was conducted, with assistance from [REDACTED]. On Saturday, 4 of the Trackers and support equipment were packed and started to B Detachment, the fifth to be returned to P-E for correction of defects. FOIAb3a

CDC, Washington, 8 hrs., February 26. Activity in preparation for overseas trip.

CDC, In-Plant, 8 hrs., February 27. Technical coordination of field programs with plant personnel.

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[REDACTED] Pasadena, 40 hrs., February 3-7.

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[REDACTED] Pasadena and Edwards, 104 hrs., February 3-19. Field work and study of problems of coordination of the Hand Control and Memory Unit with the C Configuration. This work proceeded in association with [REDACTED] and [REDACTED] of Hycon. In addition, [REDACTED] was introduced to test-site facilities and procedures. FOIAb3a

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PFF, In-plant, 16 hrs., February 20, 21. Orientation concluded.

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[REDACTED] 80 hrs., February 17-28. Field support of Mark IA Trackers shakedown tests, and support of the Red-dot series, using Mark II Trackers.

Ref. Ltr. DMS and CDC to Lou K.  
April 30, 1958

**TOP LEVEL TECHNICAL SUPPORT CONTRACT LW-473**  
**ACTIVITY REPORT FOR MARCH 1958**

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[REDACTED] Field Detachments, 128 hrs., March 8-31.

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[REDACTED] Field Detachments, 152 hrs., March 5-31.

Visit to B and C Detachments (see referenced letter for details).

CDC, In-plant, 16 hrs., March 3,4. Technical activity in preparation for detachment visit.

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[REDACTED] Edwards, 48 hrs., March 3-7, 31. Field Support for shakedown of additional Mark IA Trackers, and for Red-Dot tests.

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[REDACTED] Pasadena, 16 hrs., March 20, 21. Continued field engineering for C-System. This activity concluded the support of the C-System under the subject contract.

Reference - Ltr. RMS and CDC to Lou K.  
April 30, 1958

**TOP LEVEL TECHNICAL SUPPORT CONTRACT LW-473**  
**ACTIVITY REPORT FOR APRIL 1958**

FOIAb3a

[REDACTED] Field detachments, 48 hrs., April 1-7, 18, 21, 22.

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[REDACTED] Field detachments, 136 hrs., April 1-20, 23, 24. Visit to B and C detachments (see referenced letter for details).

CDC, In-plant, 16 hrs., April 25, 28. Technical consultation for follow-up engineering.

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[REDACTED] Edwards, 24 hrs., April 1-5. Field support for shakedown of additional Mark IA Trackers, and for Red-dot tests.

**TOP LEVEL TECHNICAL SUPPORT CONTRACT LW-473**  
**ACTIVITY REPORT FOR MAY 1958**

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██████████ Washington, 8 hrs., May 1.

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██████████ Washington, 8 hrs., May 1.

Technical liaison at Headquarters, relative to the activities on the recent trip to the detachments.

CDC, In-plant, 8 hrs., distributed. Investigation of field problems, in particular the weaknesses in the Tracker metering system.

Related Inv. 12527 7/31/58  
12885 9/26/58

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ACTIVITY REPORT FOR JUNE 1958

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[REDACTED] Washington, 16 hrs., June 18, 19. Headquarters consultations in connection with B-System quality, and a new shutter.

RMS, In-plant, 8 hrs. Technical review of Lot I Program Management.

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[REDACTED] Washington, 24 hrs., June 3, 18, 19. Discussions concerning performance of the various operating equipments.

CDC, Pasadena and Edwards, 8 hrs., June 30. Follow-on liaison in connection with B-System improvements and performance. In addition there was technical monitoring of red-dot tests.

CDC, In-plant, 28 hrs., distributed. Continued investigation of various residual tracker problems, and analysis of field reports.

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[REDACTED] In-plant, 6 hrs. June 16. Technical review of Lot I program management.

FOIAb3a

[REDACTED] Washington, 24 hrs., June 3, 18, 19. Discussions concerning performance of the various operating equipments.

JC, Pasadena, 22 hrs., June 26, 27, 30. Coordination and support of tracker red-dot test program.

JC, In-plant, 4 hrs., Technical review of Lot I program.

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[REDACTED] Edwards, 8 hrs., June 3. Field support of Hand Control and [REDACTED]

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[REDACTED] Edwards, 8 hrs., June 30. Tracker Red-Dot test support.



**TOP LEVEL TECHNICAL SUPPORT CONTRACT LW-473  
ACTIVITY REPORT FOR JULY 1958**

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██████████ Washington, 16 hrs., July 8, 9.

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██████████, Washington, 8 hrs., July 8.

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FOIAb3a Conference with Headquarters personnel, and with ██████████  
██████████ for problem analysis and evaluation  
of material from detachments.

CDC, In-plant, 36 hours, distributed. Continued investigation of  
problems with the various operating equipments, principally trackers, and  
engineering of watering system correction kits for field installation.

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██████████ Edwards, 68 hrs., July 1-11. Field support of red-dot tests.